

PRE-FORESTRY

A student who has completed Job Corps' Pre-Forestry program is trained and ready to work in this field. To complete a trade, the student must learn the academic and vocational skills required for graduation. Job Corps students also learn good work and personal habits, preparing them for life after Job Corps. To complete the Pre-Forestry program, a student must master skills in the following categories:

SAFETY

Practice basic first aid and CPR/certification. Understand hazards and use of forest and fire tools: rake, pulaski, shovel, Swedish ax, backpack pump, bladder bag, fuse-ese, drip torch, fire shelter, fire clothes, air craft safety, sharpening of tools, food safety, ax, peavey, cross cut, wedge, log carry, files and chain saw. Dress appropriately for forest working conditions. Demonstrate stamina for outdoor work (woodmanship).

GENERAL

Use and maintenance of hand tools: compass, clinometer, chain, D-tape, loggers tape, prism, tree scale stick, increment borer, bark gauge, bark shave, soil sampling and flagging. Operate and maintain chain saw: bucking, felling and final. Demonstrate ability to use a two-way radio and proper use of telephone.

FIRE MANAGEMENT

Complete fire class with field work, wood training, fire run and weather equipment.

LAND MANAGEMENT

Demonstrate ability to use road maps, sketch maps, topographic maps and aerial maps. Determine distance and direction. Be able to use horizontal and vertical data. Operate and maintain land measuring equipment. Conduct traverse with a hand compass. Explain aerial photographs and complete the stereoscope exercise.

SILVICULTURE

Identify common species of trees from leaves, bark, stems and form. Be able to identify the specific name of each. Apply seedling planting techniques to conifers and deciduous trees. Survey seedling survival and damage. Identify forestation systems: timber stand improvement; harvest methods; woods and planting equipment.

TIMBER

Perform common forest mensuration: cruise 100 percent and plot (fixed and variable). Complete the value project: mapping, cruise data, volume estimate and value estimate.

RECREATION

Attend lecture, on-the-job training and wilderness awareness.

WILDLIFE/FISHERIES

Attend lecture, field experience (aquatic sampling and terrestrial habitat).

INSECTS/DISEASES

Identify common regional diseases and insects (life cycle, history, impact).

PESTICIDES

Attend lecture and take test.

ARCHEOLOGY

Be familiar with the local and regional archeology. Demonstrate knowledge of the expected influence on forest management.

